

**PENERAPAN MODEL PEMBELAJARAN *PROBLEM BASED LEARNING*
(PBL) UNTUK MENINGKATKAN KEMAMPUAN BERPIKIR KRITIS DAN
KETERAMPILAN SOSIAL SISWA PADA MATERI SISTEM PERNAPASAN
KELAS XI IPA DI SMA NEGERI 2 KLATEN**

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ABSTRAK

Penelitian ini bertujuan untuk meningkatkan kemampuan berpikir kritis dan keterampilan sosial siswa dengan menerapkan model pembelajaran PBL pada materi sistem pernapasan di kelas XI IPA 1 SMA Negeri 2 Klaten.

Penelitian ini merupakan penelitian tindakan kelas dengan subjek penelitian siswa kelas XI IPA 1 sebanyak 33 siswa. Desain penelitian ini dilaksanakan selama dua siklus. Setiap siklus terdiri dari perencanaan, pelaksanaan, observasi, dan refleksi. Instrumen penelitian berupa lembar observasi keterlaksanaan PBL, dan keterampilan sosial, lembar soal tes, dan pedoman wawancara. Teknik analisis data yang digunakan adalah statistika deskriptif. Kriteria keberhasilan kemampuan berpikir kritis siswa adalah jumlah siswa yang mendapat nilai *posttest* ≥ 75 mencapai $\geq 75\%$ dari seluruh siswa dalam kelas. Kriteria keberhasilan keterampilan sosial siswa adalah setiap siswa minimal mencapai kategori bagus (69-84).

Hasil penelitian menunjukkan bahwa penerapan model PBL selama dua siklus dapat meningkatkan kemampuan berpikir kritis dan keterampilan sosial siswa. Kemampuan berpikir kritis siswa meningkat pada siklus II yang ditandai dengan persentase ketuntasan pada *posttest* lebih dari 75%. Persentase ketuntasan sebelum dilakukan tindakan sebesar 0%, setelah tindakan siklus I sebesar 61%, setelah tindakan siklus II sebesar 76%. Keterampilan sosial siswa meningkat pada siklus I dan siklus II. Hal ini ditandai dengan semua siswa telah mencapai kategori batas minimal bagus (rentang nilai 69-84). Sebanyak 20 siswa mencapai kategori sangat bagus dan 13 siswa mencapai kategori bagus pada siklus I. Sebanyak 29 siswa mencapai kategori sangat bagus dan 4 siswa mencapai kategori bagus pada siklus II.

Kata kunci: model pembelajaran PBL, kemampuan berpikir kritis, keterampilan sosial.

**IMPLEMENTATION OF PROBLEM-BASED LEARNING (PBL) TO
INCREASE CRITICAL THINKING AND STUDENTS SOCIAL SKILLS ON
RESPIRATION SYSTEM MATERIALS FOR GRADE XI IPA IN SMA NEGERI
2 KLATEN**

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The aims of the research was to increase the ability of critical thinking and social skills of students by implementation the problem based learning on the respiration system materials of the second grade IPA 1 of SMA Negeri 2 Klaten.

The type of this research was classroom action research. The subjects of the research were grade XI IPA 1 about 33 students. The research process was planned during two cycles. Each cycle consist of planning, implementation, observation, and reflection. The research instrument were sheet of observation in PBL, sheet of observation in social skills, sheet of test question, and interview guidance. The data were analized by using descriptive statistic. The criteria of success critical thinking of students are the amount of students get the posttest score ≥ 75 reach 75% students in the class. The success criteria of social skills is each student reach good category (69-84).

The results of this study PBL during two cycle was improve the students critical thinking and social skills. The ability of students critical thinking was increase on the cycle II that showed by the score of posttest over than 75%. The percentage before treatment was 0%, after treatment in cycle I become 61%, and then after the cycle II become 76%. The student social skills was increase in the cycle I and II. It can be showed by all the students pass the minimal criteria (69-84). Amount 20 students reach the very good category and 13 students reach the good category in the cycle I. Amount 29 students reach very good category and 4 students reach the good category in the cycle II.

Keywords: Problem Based Learning, critical thinking, social skills.